FIG.1

50

60

90

80

70

85

70

FIG. 2A

PORT#1 PI-BI

PORT#2 PI-BI5

PI-BI4 +15V
PI-AI4 +15V

PORT#7 PI-BI3 ──X NO CONNECT

PI-BI2 −15V
PI-AI2 −15V

PI-AI5
PI-AI3
PI-AII
PI-BIO
PI-AIO
PI-A9
PI-A7
PI-A5
PI-A3
PI-AI

P2-4 │ J2-4
P3-1 │ J3-1
P2-1 │ J2-1

+15V P3-2 │ J3-2 +15V

DAUGHTER BOARD

−15V P3-3 │ J3-3 −15V

P2-2 │ J2-2
P2-3 │ J2-3

102 P6 SMB

RFC6 10uH   RFC5 10uH

102

RFC3 10uH   P4 SMB

C5 .01

PORT#6 PI-BII   C1 .01   D1 UM7201B   102

RFC2 10uH   L1 2 12nH   D3 UM7201B   C4 47P   D2 UM7201B   P5 SMB

PORT#5 PI-B9   C2 .01   C3 L2 212nH   C6 .01   RFC4 10uH

RFC1 10uH   P7 SMB   102

PORT#4 PI-B7

P8 SMB

PORT#3 PI-B5

PORT#2 PI-B3

PI-A2
PI-A4
PI-A6
PI-A8
PI-B2
PI-B4
PI-B6
PI-B8   } NO CONNECT   MOTHER BOARD   100

102

FIG.2B

MOTHER BOARD

PORT#1 **P2-4** J2-4

PORT#8 P3-1 J3-1

P2-1 J2-1

D1
UM9415

D2
1N6638U

+15V P3-2 J3-2 +15V

-15V P3-3 J3-3 -15V

R5
33K

U1
OPA544

R1
82K

C2
.01

C3
10
35V

C4
.01

C1
.01

R4
1K

C6
.01

R2
68
5W
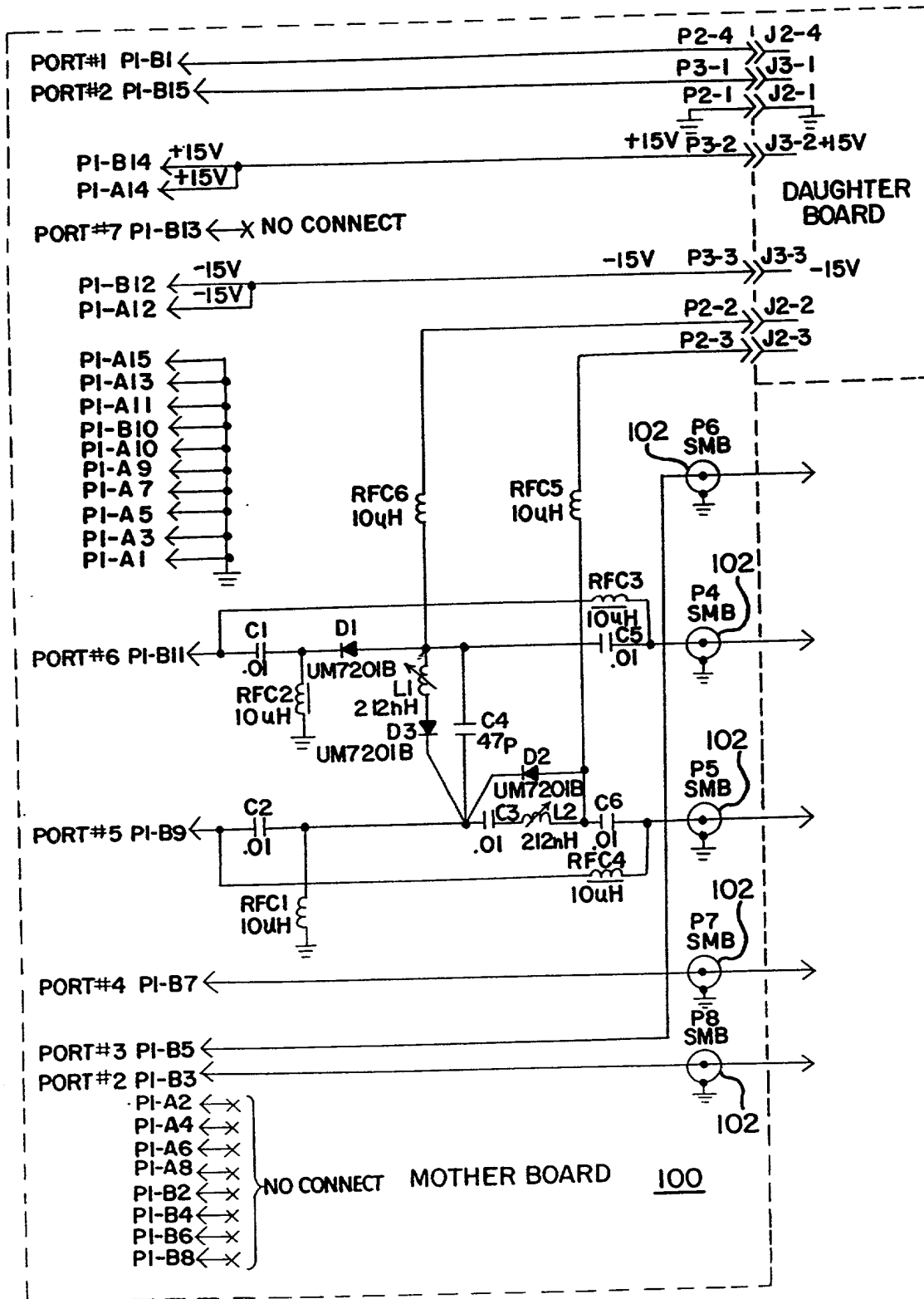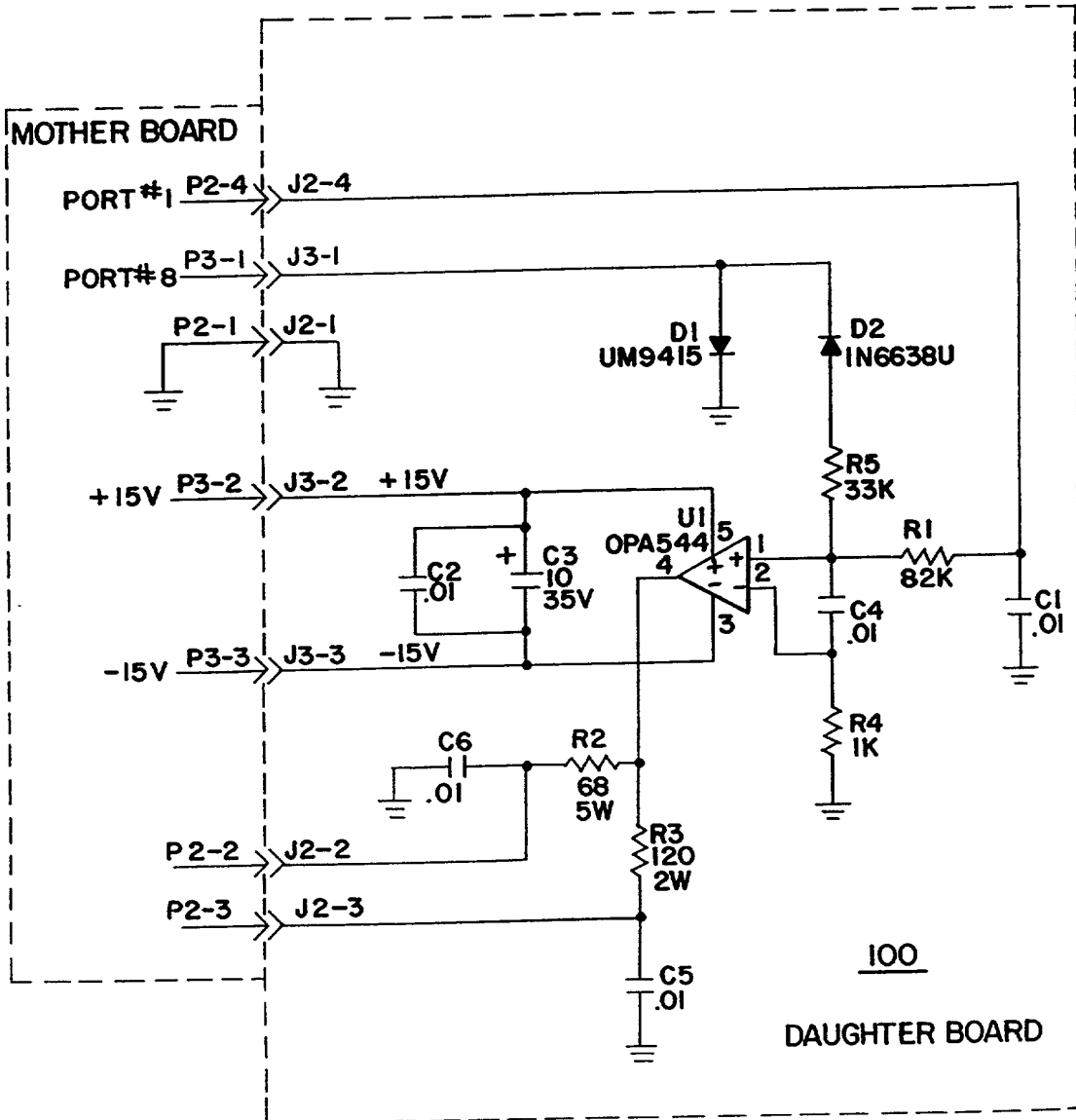
R3
120
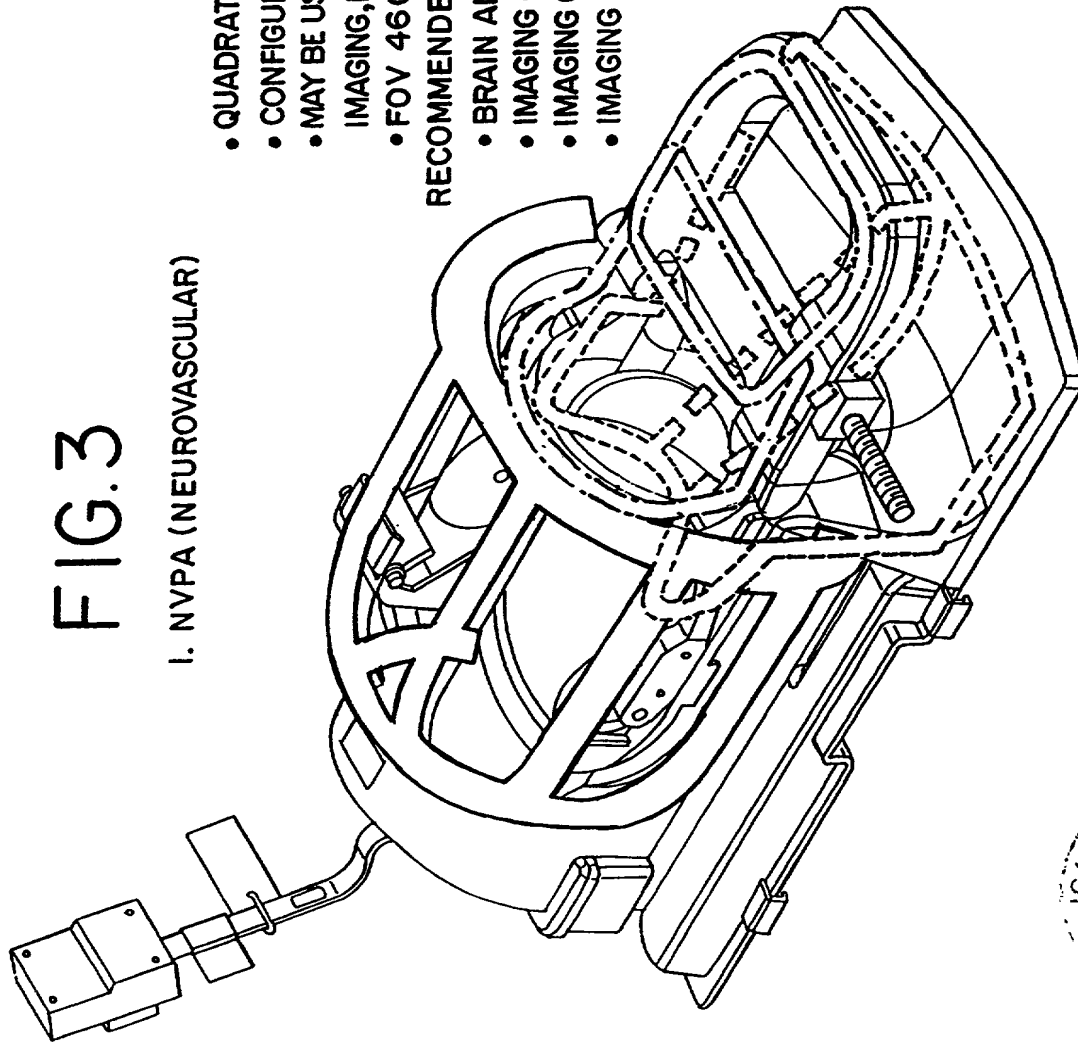2W

P2-2 J2-2

P2-3 J2-3

C5
.01

100

DAUGHTER BOARD

FIG.3

I. NVPA (NEUROVASCULAR)

- QUADRATURE / PHASED ARRAY MODE
- CONFIGURATION FILE WILL TURN ON ENTIRE ARRAY
- MAY BE USED FOR ALL TYPE OF BRAIN AND NECK IMAGING, EXCLUDING ECHO PLANAR IMAGING (EPI)
- FOV 46CM (MAXIMUM)

RECOMMENDED USES:

- BRAIN AND OR CERVICAL SPINE LOCALIZERS
- IMAGING OF THE CERVICAL SPINE
- IMAGING OF THE CAROTID ARTERIES
- IMAGING OF THE AORTIC ARCH

FIG.4

2. FASTBRN (FAST BRAIN)

- QUADRATURE MODE
- CONFIGURATION FILE WILL TURN ON ONLY THE HEAD COIL SECTION OF THE ARRAY
- MAY BE USED FOR ECHO PLANAR IMAGING (EPI)
- MAY BE USED FOR VASCULAR STUDIES OF THE BRAIN TO REDUCE RECON TIME
- FOV 24 CM

RECOMMENDED USES:

- EPI SEQUENCES
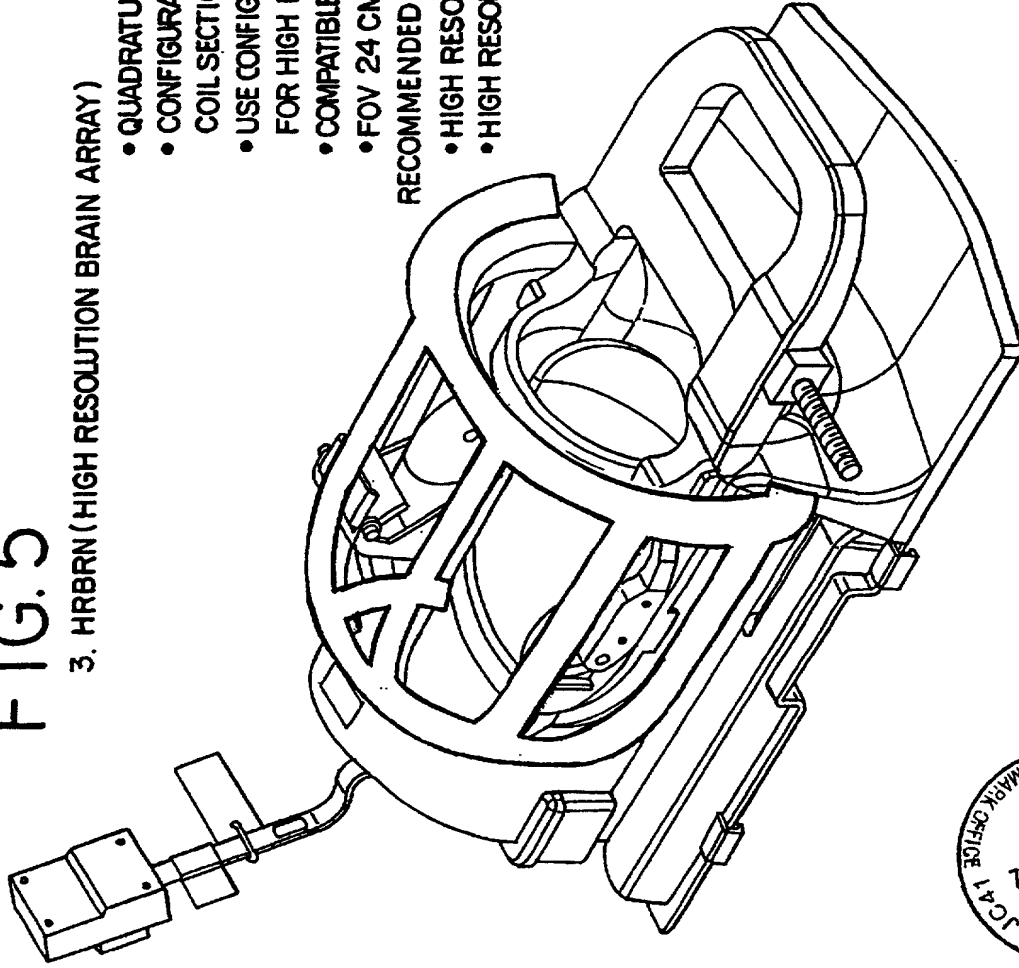- IMAGING OF THE BRAIN
- IMAGING OF CIRCLE OF WILLIS
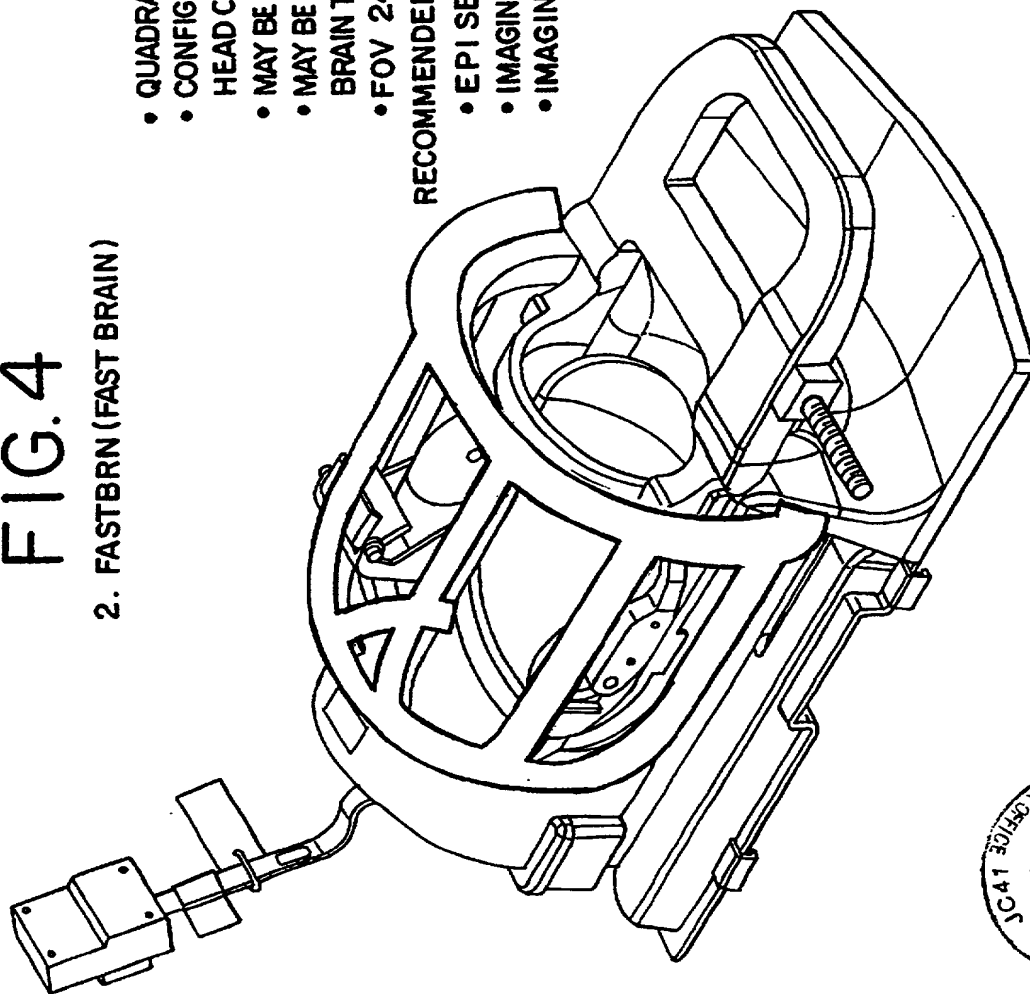
FIG.5

3. HRBRN (HIGH RESOLUTION BRAIN ARRAY)

- QUADRATURE/PHASED ARRAY MODE
- CONFIGURATION FILE WILL TURN ON ONLY. THE HEAD COIL SECTION OF THE ARRAY
- USE CONFIGURATION WHEN IMAGING THE BRAIN FOR HIGH RESOLUTION
- COMPATIBLE WITH ALL IMAGING SEQUENCES, EXCEPT EPI
- FOV 24 CM

RECOMMENDED USES:
- HIGH RESOLUTION BRAIN IMAGING
- HIGH RESOLUTION CIRCLE OF WILLIS IMAGING